

9. Rishita

Program Name: Rishita.java

Input File: rishita.dat

Rishita's classmate Sunny solved a programming problem from the Invitational A contest about dual-credit courses. She found the resulting list of courses from Sunny's contest problem very useful and has accepted a challenge to expand the list by including more data and a different sort. Rishita is as excited as Sunny about taking UIL programming and developing her skills! The previous data from the Texas Common Course Numbering System (TCCNS) included only course codes and titles but now contains the names of the schools that offer the courses. Courses may be offered by more than one school.

Can you help Rishita implement a multi-level sort?

Input: An unknown number of lines, greater than 1 and less than 100. Each line contains a course title followed by a course code and the name of the school offering the course. Items are separated by commas and there are no other punctuation or special characters except for the dash in the course codes.

Output: A sorted list, first by school as the major sort then by course number as the minor sort, both alphabetical (A...Z). List will be formatted as shown in the sample output with the school listed once and the list of courses indented by 3 spaces containing the course code first followed by the course title, separated by 3 spaces.

Sample input:

```
UNIVERSITY PHYSICS I LAB,PHYS-2125,TEXAS REPUBLIC COLLEGE
ELEMENTARY STATISTICAL METHODS,MATH-1342,TEXAS REPUBLIC COLLEGE
COMPUTER ORGANIZATION,COSC-2325,BEXAR COMMUNITY COLLEGE
PROGRAMMING FUNDAMENTALS I,COSC-1336,TEXAS REPUBLIC COLLEGE
UNIVERSITY PHYSICS I,PHYS-2325,TEXAS REPUBLIC COLLEGE
INTRODUCTION TO COMPUTER PROGRAMMING,COSC-1315,BEXAR COMMUNITY COLLEGE
C PROGRAMMING,COSC-1320,TEXAS VIRTUAL COLLEGE
CALCULUS I,MATH-2313,TEXAS VIRTUAL COLLEGE
PROGRAMMING FUNDAMENTALS II,COSC-1337,TEXAS REPUBLIC COLLEGE
INTRODUCTION TO COMPUTER PROGRAMMING,COSC-1315,TEXAS REPUBLIC COLLEGE
PROGRAMMING FUNDAMENTALS I,COSC-1336,TEXAS VIRTUAL COLLEGE
PROGRAMMING FUNDAMENTALS III,COSC-2336,TEXAS VIRTUAL COLLEGE
```

Sample output:

```
BEXAR COMMUNITY COLLEGE
    COSC-1315  INTRODUCTION TO COMPUTER PROGRAMMING
    COSC-2325  COMPUTER ORGANIZATION
TEXAS REPUBLIC COLLEGE
    COSC-1315  INTRODUCTION TO COMPUTER PROGRAMMING
    COSC-1336  PROGRAMMING FUNDAMENTALS I
    COSC-1337  PROGRAMMING FUNDAMENTALS II
    MATH-1342  ELEMENTARY STATISTICAL METHODS
    PHYS-2125  UNIVERSITY PHYSICS I LAB
    PHYS-2325  UNIVERSITY PHYSICS I
TEXAS VIRTUAL COLLEGE
    COSC-1320  C PROGRAMMING
    COSC-1336  PROGRAMMING FUNDAMENTALS I
    COSC-2336  PROGRAMMING FUNDAMENTALS III
    MATH-2313  CALCULUS I
```